

TREC 2012 Crowdsourcing Track, Text Relevance Assessing Task (TRAT) results

Group: (UIowaS) The University of Iowa

Run ID: UIowaS02r

Run type: Primary

Description of run:

Used k-means text clustering. Each cluster ranked by an average of each document's weighted score. Sent to the crowd in ranked order first by cluster, then by order within the cluster.

Results

Topic	#Docs	#Rel	TP	TN	FP	FN	TPR	TNR	FPR	FNR	LAM	AUC
411	2056	27	20	2023	6	7	0.732	0.997	0.003	0.268	0.033	NA
416	1235	45	43	1179	11	2	0.946	0.990	0.010	0.054	0.023	NA
417	2992	75	62	2907	10	13	0.822	0.996	0.004	0.178	0.027	NA
420	1136	37	31	1077	22	6	0.829	0.980	0.020	0.171	0.062	NA
427	1528	37	32	1469	22	5	0.855	0.985	0.015	0.145	0.048	NA
432	2503	22	8	2463	18	14	0.370	0.993	0.007	0.630	0.102	NA
438	1798	162	109	1617	19	53	0.672	0.988	0.012	0.328	0.071	NA
445	1404	60	53	1335	9	7	0.877	0.993	0.007	0.123	0.031	NA
446	2020	156	101	1850	14	55	0.646	0.992	0.008	0.354	0.061	NA
447	1588	16	16	1561	11	0	0.971	0.993	0.007	0.029	0.015	NA
Average	1826.000	63.700	47.500	1748.100	14.200	16.200	0.772	0.991	0.009	0.228	0.047	NA

Table 1: This table shows per-topic statistics and overall averages for the run UIowaS02r. The topics are 10 randomly selected topics from the TREC 8 ad-hoc task. A relevant document is positive and a non-relevant document is negative. The true positive (TP), true negative (TN), false positive (FP), and false negative (FN) counts are based on an adjudicated set of relevance judgments that differs from the original TREC-8 ad-hoc qrels. The true positive rate (TPR), false positive rate (FPR), true negative rate (TNR), and the false negative rate (FNR) are all smoothed values. Details of the computation of the logistic average misclassification (LAM) rate and the area under the curve (AUC) are given in the track overview paper. Some runs did not report a probability of relevance and thus will have NA for their AUC score.

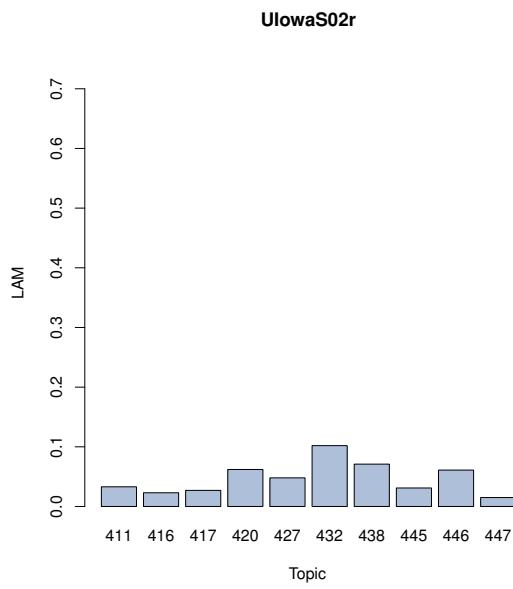


Figure 1: UIowaS02r LAM